10/533737

Please amend the claims as follows:

1- (original) An apparatus for processing data on a data carrier which rotates about an axis and on which tracks are provided for containing said data, said track spiraling around a center, said apparatus comprising an angle measuring device from which said angle information is derived, the angle measuring device being constituted by an eccentricity measurer sensitive to the non-coincidence of said axis and center.

2- (original) An apparatus as claimed in claim 1, wherein a PID operator is provided for the tracking of a beam on the track, said operator comprising notably an I operator, characterized in that said eccentricity measurer takes account of the signal at the output of the I operator.

3- (original) An apparatus as claimed in claim 2, comprising a peak/bottom detector at the output of the I operator.

4- (currently amended) An apparatus as claimed in claim 2 ~~or 3~~, comprising a frequency multiplier for providing pulses, which multiplier is linked to the output of an I operator and from which multiplier angular position information is derived.

5- (currently amended) An apparatus as claimed in ~~claims 1 to 4~~claim 1, characterized in that the PID operator acts on a radial tracking signal.

6- (currently amended) An apparatus as claimed in ~~claims 1 to 4~~claim 1, characterized in that the PID operator acts on the focusing signal.

7- (original) A method of measuring an indication of the angle of a data carrier which rotates about an axis and on which a track is provided for containing said data, said track spiraling around a center, which method utilizes a servo mechanism for positioning a beam on the track, the method comprising the steps of :

- analyzing the error signal of said servomechanism,

- detecting the eccentricity of the data carrier from this analysis,

- deriving angular position information from the eccentricity defined by the non coincidence between the axis and the center.

8- (original) A method of measuring as claimed in claim
7, comprising the steps of :

- using a filter comprising notably an I operator,

- processing the output signal of said I operator for providing
said indication of the angular position information.

9- (original) A method of measuring an indication of the
angle of a data carrier which rotates about an axis and on which a
track is provided for containing said data, said track spiraling
around a center, which method utilizes a servo mechanism for
focusing a beam on the track, the method comprising the steps of :

- analyzing the error signal of said servomechanism,

- detecting the repetitive disturbances of the focus
signal,

- deriving angular position information from these
disturbances.